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AUG 26 2003  
TC 1700

1. (Presently Amended) A magnesium chloride based carrier containing a titanium alkoxide compound represented by the formula  $Ti(OR)_4$  and an alcohol represented by the formula  $ROH$ , wherein R is  $C_1[\sim]C_7$  alkyl, characterized in that in the X-rays powder diffraction spectrum of the carrier, one or two main diffraction lines appear at  $2\theta$  of  $2[\sim]14^\circ$  and in the range of  $2\theta$  of  $14[\sim]50^\circ$ , there are the characteristic diffraction lines of anhydrous  $\alpha$ - $MgCl_2$ .

2. (Presently Amended) The carrier according to claim 1, characterized in that in said carrier, the molar ratio of said titanium alkoxide compound represented by the formula  $Ti(OR)_4$  to  $MgCl_2$  is 0.01-0.1, the molar ratio of said alcohol represented by the formula  $ROH$  to  $MgCl_2$  is  $0.01[\sim]1.0$ , wherein R is  $C_2[\sim]C_5$  alkyl.

3. (Previously Amended) The carrier according to claim 2, characterized in that said titanium alkoxide compound represented by the formula  $Ti(OR)_4$  is titanium butoxide or titanium ethoxide.

4. (Presently Amended) The carrier according to claim 1, characterized in that the intensity of the main diffraction line or the intensity of the more intense one of the main diffraction lines of said carrier appearing in a range of  $2\theta$  of  $2[\sim]14^\circ$  is  $0.2[\sim]1.5$  times that of the diffraction line at  $2\theta$  of  $14.9\pm 0.4^\circ$ .

5. (Presently Amended) The carrier according to claim 1, characterized in that one main diffraction line appears at  $2\theta$  of  $7.4 \pm 0.4^\circ$  when the alcohol used in the carrier is ethanol, and in the range of  $2\theta$  of  $14[\sim]50^\circ$ , there are the characteristic diffraction lines of anhydrous  $\alpha\text{-MgCl}_2$ .

6. (Presently Amended) The carrier according to claim 1, characterized in that one diffraction line which is more intense appears at  $2\theta$  of  $5.9 \pm 0.4^\circ$  and one diffraction line which is less intense appears at  $2\theta$  of  $10.9 \pm 0.4^\circ$  when the alcohol used in the carrier is propanol, and in the range of  $2\theta$  of  $14[\sim]50^\circ$ , there are the characteristic diffraction lines of anhydrous  $\alpha\text{-MgCl}_2$ .

7. (Presently Amended) The carrier according to claim 1, characterized in that one intense diffraction line appears at  $2\theta$  of  $5.4 \pm 0.4^\circ$  when the alcohol used in the carrier is butanol, and in the range of  $2\theta$  of  $14\text{-}50^\circ$ , there are the characteristic diffraction lines of anhydrous  $\alpha\text{-MgCl}_2$ .

8. (Presently Amended) The carrier according to claim 1, characterized in that one diffraction line appears at  $2\theta$  of  $4.2 \pm 0.4^\circ$  when the alcohol used in the carrier is hexanol, and in the range of  $2\theta$  of  $14[\sim]50^\circ$ , there are the characteristic diffraction lines of anhydrous  $\alpha\text{-MgCl}_2$ .

9. (Presently Amended) A solid catalyst component for olefin polymerization, prepared by reacting the carrier according to claim 1 with a transition metal compound in an inert hydrocarbon solvent, characterized in that in the X-rays powder diffraction spectrum of the catalyst component, one or two

main diffraction lines or a halo appears at  $2\theta$  of  $2[\sim]14^\circ$  and in the range of  $2\theta$  of  $14[\sim]50^\circ$ , there are the characteristic diffraction lines of anhydrous  $\alpha$ - $\text{MgCl}_2$ .

10. (Presently Amended) The catalyst component according to claim 9, characterized in that said transition metal compound is represented by the formula  $\text{Ti}(\text{OR}_1)_n\text{Cl}_{4-n}$ , wherein  $n$  is from 0 to 4,  $\text{R}_1$  is  $\text{C}_1[\sim]\text{C}_{12}$  alkyl, and that the titanium content in the solid catalyst component is  $0.5[\sim]10\text{wt}\%$ .

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Cont 11. (Presently Amended) The catalyst component according to claim 9, characterized in that the intensity of the main diffraction line or the intensity of the more intense one of the main diffraction lines of said catalyst component appearing in a range of  $2\theta$  of  $2[\sim]14^\circ$  is  $0.1[\sim]1.5$  times that of the diffraction line at  $2\theta$  of  $14.9\pm 0.4^\circ$ .

12. (Original) The catalyst component according to claim 9, characterized in that one diffraction line which is more intense appears at  $2\theta$  of  $5.5\pm 0.4^\circ$  and one diffraction line which is less intense appears at  $2\theta$  of  $12.5\pm 0.4^\circ$  in the X-rays powder diffraction spectrum of the catalyst when the alcohol used in the carrier is butanol.

13. (Original) The catalyst component according to claim 9, characterized in that one diffraction line which is more intense appears at  $2\theta$  of  $5.9\pm 0.4^\circ$  and one diffraction line which is less intense appears at  $2\theta$  of  $12.5\pm 0.4^\circ$  in the X-rays powder diffraction spectrum of the catalyst when the alcohol used in the carrier is propanol.

14. (Original) The catalyst component according to claim 9, characterized in that one intense diffraction line appears at  $2\theta$  of  $4.8 \pm 0.4^\circ$  in the X-rays powder diffraction spectrum of the catalyst when the alcohol used in the carrier is hexanol.

(B) 15. (Presently Amended) The catalyst component according to claim 9, characterized in that a halo appears at  $2\theta$  of  $5[\sim]7^\circ$  in the X-rays powder diffraction spectrum of the catalyst when the alcohol used in the carrier is ethanol.

16. (Previously Added) The carrier according to claim 1, characterized in that said titanium alkoxide compound represented by the formula  $\text{Ti(OR)}_4$  is titanium butoxide or titanium ethoxide.

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